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pp 458-457.

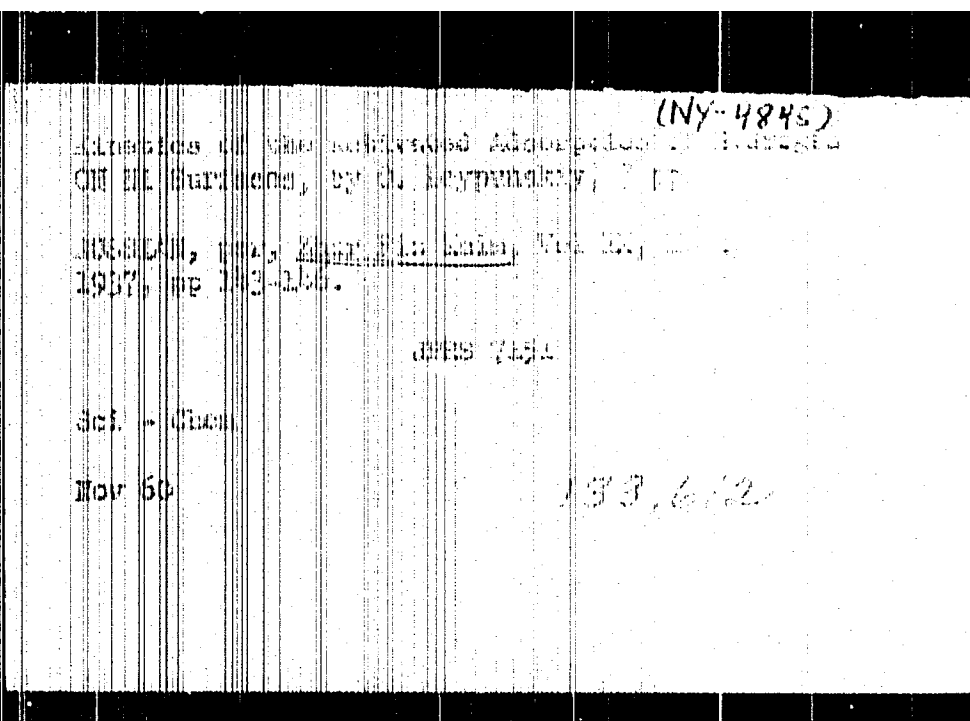
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Diffusion of Metals in the Solid State as
a Function of Lattice Parameter and
Melting Temperature of the Metals, by
N. F. Lashko, et al.
RUSSIAN, per, Zhur. Fiz. Khim. Vol. 8
no. 4, 1936, pp. 597-599
*CFSTI TT 70-57027

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A Study of the Amorphous State. X. Conductivity of
Strong Electrolyte Solutions in the Amorphous State,
by P. P. Kibenko,

RUSSIAN, per, Zhur Fiz Khim, Vol. XL, No 3, 1937,
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Assoc Tech Sv RJ-458

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\$8.00

PO Box 271, East Orange,
N. J.

Sci - Chemistry
Aug 1956

Leon'eva, A. A.
DETERMINATION OF BOUNDARIES OF SOFTENING
INTERVAL OF BINARY SYSTEM $\text{Na}_2\text{B}_4\text{O}_7\text{-B}_2\text{O}_3$
(Opredelenie Granitsy Intervala Razm'yagcheniya
Dvoinoi Sistemy $\text{Na}_2\text{B}_4\text{O}_7\text{-B}_2\text{O}_3$). [1963] [IDP]
(foreign text included) 12 refs
Order from GTS, SLA, or ETC \$1.10 TT-64-10570

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1937,
v. 10, no. 4, p. 279-282.

DESCRIPTORS: *Glass, Sodium compounds, Boron
compounds, Oxides, Phase studies, Mechanical
properties, Melting, Physical chemistry.

(Materials- Ceramics TT, v. 11, no. 5)

TT-64-10570

I. Leon'eva, A. A.

Office of Technical Services

Detonation in Gas Mixtures. IX. The Effect of
Tetraethyllead on the Formation of the
Detonation Wave, by K. Shchelkin, A. Sokolik,
10 pp.

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1937, pp 479-483.

JPRS 7150

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1987, pp 542-552.

JPRS 7152

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Mar 60

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No 14, 1967, pp 496-504
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Homologous Series of Fatty Acids, by R. H. Sear-
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627-635.

SLA R-3318

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K. A. Novosel'tsev, 11 pp.

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Jan 56 CTS/dex

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Sci - HQM

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Determination of the Mean Particle Size of a Metallic
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pp 546-55.

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The Role of Sorption of Nitrogen in the Mechanism of
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Sci - Chem
Sept. 67

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CTS 77-62-20744
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Scientific-Chemistry Jan 55 CTS
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THEORY OF THE THERMAL PROPAGATION OF
FLAMES (Teoriya Teplovogo Rasprostraneniya
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Order from OTS or SLA \$1.60 62-10348

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1938
[v. 12] no. 1 [p. 103, 105]

DESCRIPTION: *Flame propagation, *Combustion,
Reaction kinetics, Thermal conductivity, Chemical
reactions, Thermal explosion, Thermal diffusion,
Thermodynamics.

(Unannounced)

62-10348

I. Zel'dovich, Ya. B.
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THE FUNDAMENTALS OF WETTING AND ADHESION
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10 Fundles - Adhesion
10 Franchot, A.
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Bio Lab T-500-1

R-7938-D
2 Feb 67

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By: Zhilchovitskiy

From: Zhurnal Fizicheskoy Khimii V. XII No 3, 1939
pp 308-310 (8 pp)

Russian - est for wda:

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SLA/R-2451

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Scientific - Chemistry

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Scientific - Chemistry, Physics

Jan 55 CTS

(NY-4830)

Investigation of a Flame of CO and O₂, by
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JPRS 7308

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Viscosity in Three-Component Systems Formed in Martin
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Kozakevich, S. P. Leiba, E. P. Kozlov, 13 p.

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SLA R-2887

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6 pp.

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On Solutions of Metallic Cadmium in Molten Chlorides,
by S. Karpachev, A. Stromberg, 12 pp.

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ADC 3362

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*CPSTI TT 70-57028

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RUSSIAN, per, Zhur Fiz Khim, Vol XIII, 1939, pp 547-550.

SLA R-2627

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Sci-Phys, Chem
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CIB 70/Jul 55

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HT-1062

SUR R 7016
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centrations of Hydrochloric Acid, by B. A.
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SLA R-2173

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Sci - Phys

Aug 67

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SLA R-2840

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Jul 59

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AEC Tr-5186

Sol - Phys, Chem
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Effect of Collision on the Behavior of Complex Excited
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Feb 54 CTS

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Abdulaziz, Ya. A.
 PHASE RELATIONS IN MIXTURES OF CARBON
 DIOXIDE WITH HYDROGEN, NITROGEN AND CAR-
 BON MONOXIDE, II, by Bertha E. Klenova. 14 Dec 61,
 3p. 3 refs. TVA-3907.

Trans. of Zhurnal Khimicheskoi Fiziki (USSR) 1960,
 v. 35, p. 986-988.

DESCRIPTORS: Carbon dioxide, hydrogen, nitrogen,
 Carbon compounds, Mixtures, Phase
 studies.

62-14460

I. Abdulaziz, Ya. A.
 II. TVA 3907
 III. Tennessee Valley Authority,
 Wilson Dam, Ala.

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On the Overvoltage of Hydrogen in the Fund
Electrolyte, by S. Karyachev, B. Rempel, B. Yordan,
14 pp.

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1017-1031.

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Scientific - Chemistry

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Overvoltage on Mercury in Presence of Surface-Active
Electrolytes, by Z. Iofa, B. Kabanov, E. Kuchinskiy,
F. Chistyakov, 19 pp.

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ABC Tr 1859

Scientific - Physics
CRS/DEX

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Electroosmotic Investigation of the Surface Layers
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(NY-4830)

Spectroscopic Investigation of the Carbon Disulfide
Flame. I., by V. Kondrat'yev, 29 pp.

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JPRS 7500

Sci - Chem

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Electrical Conductivity and Specific Gravity
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Sci Tr Center
RT-2182

Scientific - Chemistry
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Solubility of Solid Acetylene and Carbon
Dioxide in Liquid Oxygen, Nitrogen and Mixtures
of Oxygen-Nitrogen, by I. P. Iskhin, P. Z.
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The Diffusion Theory of Photographic Development, by D. A. Frank-Kamenetskii,
RUSSIAN, per, Zh. Fiz. Khim, Vol 13, No 10,
1939, pp 1403-1410,
NLI 5828, AF (11853)

Sci - Khim
Met & Equip
Sept. 67

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Cathode Polarization in the Deposition of
Magnesium From Fused Carnallite, by B. Markov,
I. Shomerbakov, V. Kalitova, 27 pp.

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UTS TT-64-14148
Sci Tr Center
RP-2183

Scientific - Chemistry
CIB 70/Jul 55

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Volkenstein, M. V. and Shorygin, P. P.
ANALYSIS OF GASOLINE BY THE RAMAN EFFECT,
II. [1963] [18]p. 12 refs.
Order from OTS or SLA \$1.60

63-16025

I. Volkenstein, M. V.
II. Shorygin, P. P.

Trans. of [Zhurnal Fizicheskoi Khimii] (USSR) 1939,
v. 13, p. 1512-1522.

DESCRIPTORS: *Gasoline, Chemical analysis, *Raman
spectroscopy.

(Materials--Fuels, IT, v. 10, no. 7)

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Current Yield of Magnesium as Function of
Magnesium Chloride Content of Melt in Electrolysis
of Molten Carnallite, by B. Markov, V. Kalitova,
8 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XIII, No 11,
1939, pp 1559-1562.

OTS TT-64-14146

Sci Tr Center RT-2184,

S-A R-2936

Scientific - Chemistry Apr 55 OTS

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61-18056

Berestneva, Z. Ya, and Kargin, V. A.
ADSORPTION OF ELECTROLYTES ON HIGHLY
PURIFIED ALUMINA AND FERRIC OXIDE GELS.

[1961] 7p. 5 refs.

Order from OTS or SLA \$1.10

61-18056

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1939,
v. 13, p. 1625-1634.

DESCRIPTORS: *Electrolytes, Adsorption, Determina-
tion, *Gels, Iron compounds, Oxides, Aluminum
compounds.

184041

Office of Technical Services

(Unannounced)

Fastowski, V. G., and Gurvich, I. G.
 HET OORZAKEN VAN HET EVENWICHT VLOEI-
 STOP - DAMP VAN HET BINNAIR SYSTEEM
 ZWURSTOF - KRYPTON (The Equilibrium Liquid -
 vapour in the Binary System Oxygen - Krypton) tr. by
 A. Rosch-Sekacz and G. J. M. Fritschy. 17p. 16 refs.
 MTWL: 130. (text in Dutch).
 Order from OTS or ETC \$1.85

61-17735

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1930,
 v. 13, pp. 1680-1689.

DESCRIPTIONS: *Krypton, *Oxygen, Phase studies,
 Liquids, Vapours.

61-17735

- I. Fastowski, V. G.
- II. Gurvich, I. G.
- III. MTWL-130
- IV. Stichting Moedijk
 Toegankelijke Wetenschap-
 pelijke Literatuur

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PHASE RELATIONS IN MIXTURES OF CARBON
DIOXIDE WITH HYDROGEN, NITROGEN AND CAR-
BON MONOXIDE, in: by Bertha P. Klerova, 14 Dec 61,
3p, Bzrbz, TVA-3967.

Trans. of [Zhurnal Fizicheskoi Khimii] (USSR) 1939,
v. 13, p. 943-948.

DESCRIPTORS: Carbon dioxide, Hydrogen, Nitrogen,
Carbon compounds, Monoxides, Mixtures, Phase
studies.

I. Abdulaziz, Ya. A.
II. TVA-3967
III. Tennessee Valley Authority,
Wilson Dam, Ala.

(Uncontrolled)

Office of Technical Services

Abdulaev, Ya. A.
DE PHASE-VERHOUDINGEN IN MENGSELS VAN
KOOLSTOF MET WATERSTOF, STIKSTOF EN KOOL-
STOFDIOXYDE (Phase Relations in Mixtures of Carbon
Dioxide with Hydrogen, Nitrogen and Carbon Monoxide)
tr. by A. Bosh-Sukacz and G. J. M. Fritschy. op.
3 rees. MTWL-132. (text in Dutch).
Order from CRS or ETC \$1.55

61-17716

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1969,
v. 43, p. 986-989.

DESCRIPTORS: *Phase studies, *Carbon dioxide,
*Hydrogen, *Nitrogen, Carbon compounds, Monoxides

61-17716

- I. Abdulaev, Ya. A.
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Toegankelijke Wetenschap-
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On the Overvoltage of Hydrogen in the Fused
Electrolyte, by S. Karashev, S. Rempel, B. Yordan,
1. pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XIII, No 8, 1939,
1007-1091.

24, 708

Sci. Trans. Center
RT-2403

Scientific - Chemistry

Sep 55 CTS/DHX

Overvoltage on Mercury in Presence of Surface-Active
Electrolytes, by Z. Iofa, B. Kabanov, E. Kuchinskiy,
F. Chistyakov, 19 pp.

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JPRS 7500

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Sci Tr Center
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DESCRIPTORS: *Gasoline, Chemical analysis, *Raman
spectroscopy.

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DESCRIPTORS: *Electrolytes, Adsorption, Determina-
tion, *Gels, Iron compounds, Oxides, Aluminum
compounds.

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DESCRIPTORS: *Krypton, *Oxygen, Phase studies,
 Liquids, Vapours.

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DESCRIPTORS: *Glass, Quartz. *Silicon compounds,
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